

Claims

1. (currently amended) A method of manufacturing a magnetic disk for use on a magnetic storage device comprising:

writing a set of servo tracks on the magnetic disk using a servo writer, the set of servo tracks including a track zero;

placing the magnetic disk including the track zero on a hub for spinning the magnetic disk;

spinning the magnetic disk at a selected rate;

observing the track zero on the magnetic disk using a Kerr effect microscopy device; and

measuring a first and second distance distances from a predetermined point to a first and second selected points point on the track zero; and

adjusting calibration the servo writer using the first and second distances.

2. (currently amended) The method of claim 1 wherein the further comprising the step of measuring a second distance from a predetermined point to a second selected point on the track zero where the second selected point is 180 degrees around the disk from the first selected point.

3. (currently amended) The method of claim of claim 2 further comprising the step of measuring a third distance from a predetermined point to a third selected point on the track zero where the selected third selected point is 90 degrees around the disk from the first selected point.

4. (currently amended) The method of claim of claim 1 further comprising the step of measuring second, third and fourth distance from a predetermined point to a second, third and fourth selected points on the track zero where the selected second point is 90 degrees around the disk from the first selected point, the third selected point is 180 degrees around the disk from the first selected point and the fourth selected point is 270 degrees around the disk from the first selected point.
5. (original) The method of claim 4 further comprising the step averaging first, second, third and fourth distances to obtain a single measurement indicative of a position of track zero on the magnetic disk.